

Urive Ace

User Manual



MD-5500P



HD



30FPS



High speed
booting



Voice



Security
LED



MISP-REM-MCU-MD-5500P

This is an auxiliary product for safe driving.

**The Manufacturer is not held responsible for liability arising from any car accident.
Please Use the product in accordance with the intended use.**

0. Key Features & Functions

- 2.0 mega pixels(HD)
- Optimized Viewing angle (Diagonal 110°)
- Extraordinary booting speed(less than 5 Sec.)
- Dedicated viewer for PC
- Auto formatting with one touch button(SD card)
- Self-diagnosis (SD card, diagnostics at all times)
- Video out cable for real-time checking the recorded files on a navigation
- Parking monitoring
- Voice information

1. Caution in Use of the Product

- Users should check the recording quality & recording functions before using this device.
- Do not store other files in the Urive single HD SD card.
- Don't remove the SD card forcibly during recording.
- If users remove the SD card before the device completely turn off (blue LED off), the latest file may not be recorded. Please remember it.
- The SD Memory card should be formatted at least twice a month to ensure normal operation of the product.

2. Caution in Use of SD Memory Card

- The micro SD card has its service life (6 months). If the card has been used for an excessively long time, some defective files might be created in the card. In this case, the manufacturer recommends to purchase new micro SD card. Manufacturer is not liable for any data loss caused by use of overdue warranty SD card.
- Use only recommended SD cards for Urive Single HD. If users use uncertified SD card, the manufacturer is not liable for any loss of recording data and failures. In addition, uncertified SD card is bring on malfunction and performance degradation.

3. Caution in discharging a battery

- User can set one of the cut-off voltage(4steps)/cut-off time(timer) for preventing a battery discharge when the user's car is parked. However, when the voltage is lower than 11.5V although the timer is working, minimum voltage setting value function is priority. (Caution: a car might not start engine as the car's standard current consumption, after cutting the blackbox voltage.)

4. Users can maintain the device's best performance through firmware upgrade periodically. (please ask the new firmware to the manufacturer by e-mail urive@urive.co.kr)

5. Components



Main body
& holder



Urive micro
SD card



Cigar cable



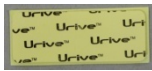
Video out cable
(standard 3pole)



SD
reader



Six-angle
wrench



Double-
side tape



Quick
Manual

Option



GPS
module



3pole-4pole
conversion cable



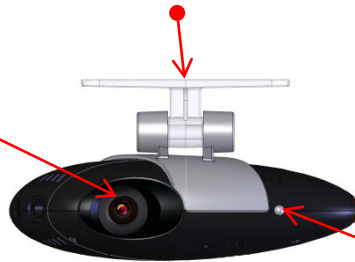
Cigar cable

* If there is any damaged & fault products in the component, please ask the shop you bought.

6. Part names and functions

Camera: 2.0Mega pixels

transparent
holder



BLUE LED

REC/MODE buttons –

Emergency recording / Voice recording
on, off / Micro SD format

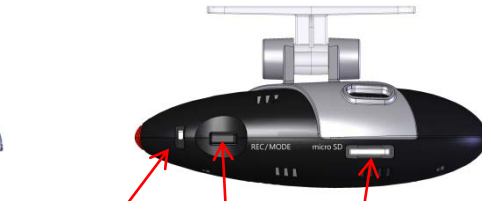
BLUE LED – Operating status checking

RED LED – Power ON

GREEN LED – GPS ON



Power switch



RED/GREEN LED

Micro SD card

REC/MODE button



Video out cable

GPS Module

Power cable

7. How to Install

- 1) Install the Urive single HD SD card to the main device.
- 2) Select a location for attaching the main device.
- 3) Clean the area on the windshield where the product is to be installed.
- 4) Remove the cover sheet from the adhesive tape on the holder.
- 5) Affix the Urive single HD at the desired position.
- 6) Connect the B+, ACC lines to exact port. (if it is not correct, the device is damaged and not working normally)
 - 3-lines installation : Red (B+,BAT)/ yellow(ACC+)/ black(ground, GND-)
- 7) After finish the cable installation, Connect the main power cable(cigar cable) to the DC port.
- 8) The LED will be turned on after the power switch is "ON" and then the device is started with information voice. .(Before finishing, please check the front/rear views are normally recorded and stored)
- 9) After booting, the RED LED will be turned on and start recording.
- 10) The camera's shooting angle can be adjusted on the screen when the Video cable is connected to navigation AV-IN or CAM terminal.
- 11) After adjusting the camera's shooting angle, please fastened the device on the holder.
- 12) If users install the GPS, please make sure the power off before installing.

※ Caution

- Before placing the cables in the groove, please check the video images are normally stored in the memory card.
- After installing the camera, remove the protective plastic film from the camera lens.
- When the device is parking mode, the BLUE LED is turned on and switch to parking mode voice information is out and motion detection function is working.

8. Product operation & button

◆ Operation

Work	Condition	LED sign	Sound
Power on	After booting	BLUE LED is turned on during the booting and the RED LED is turned on after the booting	"Drive safely and have a nice day. Start recording."
Update	Update through the micro SD Card	RED & GREEN LED flickers during the update and then the device restarts automatically.	"Starting update"
Parking monitoring mode	The final image saved by using the backup battery and then the device is power off.	- monitoring : RED ,GREEN LEDs off. BLUE LED on. - motion detect recording: BLUE LED blink quickly.	During Switching - "Switching to the parking mode." After Switching - "Start recording."
No power cable or power switch OFF	The final image saved by using the backup battery and then the device is power off.	All LEDs are off	"Power off."
GPS installed	GPS working	GREEN, BLUE LED blink	"GPS connected."

◆ Button

Button	control	Condition		LED sign	Sound
Power button	ON	Power On	Starting driving mode	RED, BLUE LED blink every 1sec.	"Drive safely and have a nice day. Start recording."
			Starting parking mode	BLUE LED blinks	"Start recording."
	OFF	Power OFF	All LED off	OFF	"Power off."
REC/ MODE button	Push for 1sec.	Manual recording		RED, BLUE LED blink quickly	"Two short beeps"
	Push for 3sec.	Voice recording On/Off (Mute Off/On)		Mute : LED blinks slowly (3 sec. interval)	"The audio recording has been turned on." "The audio recording has been turned off."
	Push the button for a long time (over 10 sec.)	Format the micro SD card		GREEN, BLUE LED blink and then restart automatically.	start – "formatting the SD card." finish – "formatting completed."

※ Reference

- No SD card : five beeps (Repetition)
- Recording failure : five beeps(Repetition)
- When the Voice recording On/Off is set by REC button, the device is restarted automatically to apply the set functions. (it needs 5second to restart.)

9. Folder description in the memory card

1) Constant recording file : it comprises a constant recording file during driving. (1min. / file).

ex) MDR_0001.avi : ex) MDR_0001.avi : the files are saved from No. 0001 to 9999 during driving.

2) Event file: the files are event files such as driving event or manual recording. the event files are created by switching the constant recording files. The files are saved depending on the SD capacity & managed separately.

ex) EDR_0002.avi : the second file of event video

3) Parking monitoring file : the files are created when the car is parked.

ex) PDR_0001.AVI : the files are saved from No. 0001 to 9999 during car parked.

4) parking event file : the files are created when the car detects an event during parked. the event files are created by switching the constant recording files. The files are saved depending on the SD capacity & managed separately.

ex) ADR_0001.AVI : the first file of parking event video

5) Setting file(config.dat) : the configuration data set in the viewer is stored as a file.

6) Time setting files(Date.txt) : the file is created when users set the time or time zone in the viewer. If they set the time on the device, the file is deleted automatically.

7) Spare space : If there are only 400MB spare spaces remainder in the SD card, the new files are created by deleting the oldest files one by one for stable storage and management of the recording files. (Standard: 8GB)

(Reference : 16GB = 800MB / 32GB = 1.6GB)

class	8GB			16GB			32GB		
	parking 0%	parking 25%	parking 50%	parking 0%	parking 25%	parking 50%	parking 0%	parking 25%	parking 50%
driving (event)	100% (20ea)	75% (20ea)	50% (10ea)	100% (50ea)	75% (30ea)	50% (20ea)	100% (70ea)	75% (40ea)	50% (30ea)
parkin g (parki ng event)	0%	25% (5ea)	50% (10ea)	0%	25% (10ea)	50% (20ea)	0%	25% (20ea)	50% (40ea)

* The file volume depending on the image quality

- Image quality "High" : about 90MB (1min.), parking(event)file(about 30MB(20Sec.))
- Image quality "low" : about 70MB (1min.), parking(event)file(about 25MB(20Sec.))

(Reference : The maximum capacity according to the image quality of a file can vary depending on the environment.)

10. Firmware upgrade (User manual – refer to the upgrade)

1) Auto upgrade : At the ACE PC viewer upgrade

2) Manual upgrade : The firmware download in the homepage

- o If you know about the URIVE ACE, Please refer to the URIVE ACE product detail in the homepage.

11. Viewer description

PC Viewer automatic upgrade

Front view

Full screen

Map display & hide

Minimize the screen & Exit

Map view

The screenshot shows the Urive Single HD viewer interface. At the top left is a download icon and the text 'Urive Single HD'. The main area is split into two panes. The left pane shows a 'Front view' of a road with a blue and green van in the center. The right pane shows a 'Map view' of the same location. Below the front view is a playback controller with buttons for play, pause, stop, and a progress bar. Below the map view is a list of files. At the bottom, there is a speed/acceleration graph and a status bar showing coordinates and time.

Speed / acceleration graph

Latitude/longitude/time

Blackbox configuration

List of files

File open

Bring the files list from the SD/SD format & checking

NO.	DATE	TIME	TYPE
011	2012-06-29	08:28:21	Driver
012	2012-06-29	08:29:21	Ever
013	2012-06-29	08:30:21	Ever
014	2012-06-29	08:31:31	Driver
015	2012-06-29	08:32:31	Driver
016	2012-06-29	08:33:31	Driver
017	2012-06-29	08:34:31	Driver
018	2012-06-29	08:35:41	Ever
019	2012-06-29	08:36:41	Driver
020	2012-06-29	08:37:41	Driver
021	2012-06-29	08:38:41	Ever
022	2012-06-29	08:39:51	Ever
023	2012-06-29	08:40:51	Ever
024	2012-06-29	08:41:51	Ever
025	2012-06-29	08:42:51	Ever
026	2012-06-29	08:44:01	Driver
027	2012-06-29	08:45:01	Ever
028	2012-06-29	08:46:01	Ever
029	2012-06-29	08:47:11	Ever

- Latitude, longitude, speed and map information are available only when the external GPS Module (optional) is connected.
- When a video is recorded and played in Mute mode, "M" is displayed on the bottom-right of the front view image.
- If GPS module operates normally, "G" is displayed on the bottom of the Front View window.

12. Product specification

Item	Standard	Item	Standard
Model name	Urive Ace	Frame No.	Max. 30 fps
Size	101.5 x 50.6 x 29 mm	Audio	ADPCM
Memory card	Micro SD card	Acceleration sensor	3G
Recording type	Constant, Event, Manual, parking monitoring	Power supply	DC 12V/24V
Video quality	2 steps (Up and down can be selected)	Consumption	Max. 2W
Camera	2.0Mega pixels	Temperature	-20°C ~ 70°C
Angle of view	Diagonal 110°	Storage temperature	-40°C ~ 85°C
Video	HD 1280x720, MJPEG	PC viewer	Minimum Windows XP

13. Download the firmware, viewer, user manual

- All of the programs & documents can be downloaded in the homepage (www.urive.co.kr) at [Download center - Reference room – Urive ACE]
- firmware upgrade file(1ea) : MD5500P.bin
- Viewer download : URIVE ACE
- User manual : URIVE ACE User manual

- Manufacturer/Seller : MIDONG Electronics & Telecommunication co., ltd.
- A/S center : 1st floor, 339-2, Yangjae-dong, Seoch-gu, Seoul, Korea.